FOIL when $A \neq 1$ SLTN (version 109)

FOIL the expressions shown below:

1. $(6x - 8)(-2x - 4)$

$$(6)(-2)x^2 + (6)(-4)x + (-8)(-2)x + (-8)(-4)$$
$$(-12)x^2 + (-24)x + (16)x + (32)$$
$$-12x^2 - 8x + 32$$

2. $(8x + 3)(-3x + 5)$

$$(8)(-3)x^2 + (8)(5)x + (3)(-3)x + (3)(5)$$
$$(-24)x^2 + (40)x + (-9)x + (15)$$
$$-24x^2 + 31x + 15$$

3. $(-2x + 9)(9x - 5)$

$$(-2)(9)x^2 + (-2)(-5)x + (9)(9)x + (9)(-5)$$
$$(-18)x^2 + (10)x + (81)x + (-45)$$
$$-18x^2 + 91x - 45$$

4. $(-7x + 4)(-9x - 5)$

$$(-7)(-9)x^2 + (-7)(-5)x + (4)(-9)x + (4)(-5)$$
$$(63)x^2 + (35)x + (-36)x + (-20)$$
$$63x^2 - x - 20$$

5. $(-7x + 2)(-8x - 2)$

$$(-7)(-8)x^2 + (-7)(-2)x + (2)(-8)x + (2)(-2)$$
$$(56)x^2 + (14)x + (-16)x + (-4)$$
$$56x^2 - 2x - 4$$

FOIL the expressions shown below:

6. $(-8x + 9)(5x + 8)$

$$(-8)(5)x^2 + (-8)(8)x + (9)(5)x + (9)(8)$$
$$(-40)x^2 + (-64)x + (45)x + (72)$$
$$-40x^2 - 19x + 72$$

7. $(-5x - 6)(4x + 3)$

$$(-5)(4)x^2 + (-5)(3)x + (-6)(4)x + (-6)(3)$$
$$(-20)x^2 + (-15)x + (-24)x + (-18)$$
$$-20x^2 - 39x - 18$$

8. $(-4x + 4)(3x - 9)$

$$(-4)(3)x^2 + (-4)(-9)x + (4)(3)x + (4)(-9)$$
$$(-12)x^2 + (36)x + (12)x + (-36)$$
$$-12x^2 + 48x - 36$$

9. $(-8x + 2)(-4x + 7)$

$$(-8)(-4)x^2 + (-8)(7)x + (2)(-4)x + (2)(7)$$
$$(32)x^2 + (-56)x + (-8)x + (14)$$
$$32x^2 - 64x + 14$$

10. $(4x - 7)(-2x - 5)$

$$(4)(-2)x^2 + (4)(-5)x + (-7)(-2)x + (-7)(-5)$$
$$(-8)x^2 + (-20)x + (14)x + (35)$$
$$-8x^2 - 6x + 35$$